**CALIFORNIA ENERGY COMMISSION**
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# Addendum 1

# PON-08-010

## GRANT SOLICITATION APPLICATION PACKAGE

## American Recovery and Reinvestment Act of 2009 Cost Share

## Alternative and Renewable Fuel and Vehicle

## Technology Program

The purpose of this addendum is attach the scoring criteria as attachment C

**ATTACHMENT C**

# American Recovery and Reinvestment Act of 2009 Cost Share Final Proposal Scoring Criteria

The following scoring criteria are derived from the Alternative and Renewable Fuels and Technology Program regulations as described in Health and Safety Code sections 3101 (general criteria) and 3101.5 (sustainability criteria). The Energy Commission will fully evaluate each proposed project using the scoring criteria and methodology described below. Applicants' responses to the scoring criteria must be based on the entire project as proposed to the federal government in response to an ARRA solicitation, and may not be limited to the portion of the project that the Energy Commission will fund.

Applicants must provide **no more than 25 pages** of qualitative and quantitative supporting documents for this Attachment. Weighting Factors are subject to adjustment.

## Applicability

Criteria 1 through 4 (applicable to all projects)

Criteria 1 through 4 are derived from Section 3101 of the program regulations, which describes the general evaluation criteria to be used in selecting projects. These criteria apply to all projects. **Total Points: 50**

Criterion 5 (applicable to all physical projects)

Criterion 5 is derived from Section 3101.5 of the program regulations, which describes program sustainability goals and evaluation criteria.[1] This criterion states a preference for projects with the lowest greenhouse gas emissions reductions from the California petroleum baseline. It applies to all physical projects such as infrastructure, biorefineries, and feedstocks associated with biofuels and renewable hydrogen. **Total Points: 25**

Criteria 6 though 15 (applicable to biomass-related projects)

Criteria 6 through 15 are also derived from Section 3101.5 of the program regulations. These criteria apply to all biomass-related fuel production, distribution and sales projects, including infrastructure, biorefineries, and feedstocks associated with biofuels and renewable hydrogen. **Total Points: 25**

## Scoring/Ranking

[1] For more information on the sustainability criteria (criteria 5 to 15), see the draft staff guidance document at http://www.energy.ca.gov/ab118/documents/index.html#040909.

Maximum total points for each project will vary based on applicability. The Energy Commission will evaluate a project's performance based on the percentage of maximum total points achieved.

Example 1: A biomass-related fuel production project will be subject to all criteria, and may therefore receive a maximum total of 100 points. If the project obtains 80 of the possible 100 points, it will have a score of 80%.

Example 2: A workforce training project will be subject to criteria 1 through 4, and may therefore receive a maximum total of 50 points. If the project obtains 40 out of 50 points, it will have a score of 80%.

| General Evaluation Criteria Derived from Section 3101 of the Program Regulations | | | |
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| **Criteria** | **Maximum Points** | **Information Requirement (As Applicable)** | **Goals** |
| ***Criteria 1 through 4 apply to all projects.*** | | | |
| **Criterion 1:**<br>Strong preference will be given to projects that can provide a measurable transition from petroleum fuels to alternative fuels.<br><br>Preference will be given to projects that remove barriers that hinder the use of alternative fuels in California.<br><br>Preference will be given to projects that can demonstrate the feasibility and market readiness of the proposed fuel(s).<br><br>Strong preference will be given to projects that use or promote the use of alternative fuel blends of at least 20 percent, with additional preference for projects with higher blends.<br><br>Strong preference will be given to projects that produce alternative fuel or feedstock in-state or use fuels produced in-state. | 17 | Provide a brief quantified description of petroleum reduction and alternative fuel increase (in gallons) and the basis of the forecast.<br><br>Provide a brief quantified description of barrier(s) addressed and increases in alternative fuel use (in gallons) and the anticipated market penetration.<br><br>Describe the technical feasibility and market readiness of the project.<br><br>Provide a brief quantified description of the percentage alternative fuel blend used on the project, at implementation and any increases planned throughout the grant term.<br><br>Identify the origin of the fuel and/or feedstock associated with the project. | **Reduce the use of petroleum and increase the use of alternative fuels.** |
| **Criterion 2:**<br>Strong preference will be given to projects that promote development of new technology for vehicles, vessels, engines, and other equipment and support market deployment of the technology. | 8 | Describe the role of the project in promoting the development and market deployment of new transportation technology. | **Develop and deploy new technology advancements that lead to greenhouse gas emission reductions.** |

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| **General Evaluation Criteria Derived from Section 3101 of the Program Regulations** | | | |
| **Criteria** | **Maximum Points** | **Information Requirement (As Applicable)** | **Goals** |
| **Criterion 3:**<br>Strong preference will be given to projects that can demonstrate the capacity to attract and support California firms and new business development.<br><br>Strong preference will be given to projects that can demonstrate the capacity to create or retain jobs.<br><br>Strong preference will be given to projects located in one of California's Enterprise Zones.<br><br>Projects will be given preference if they can demonstrate that low-income and minority populations will share in the benefits of the project. | 17 | Describe the number(s) and type(s) of business(es) supported, attracted, or created and a brief description of how the project provides economic benefit to California.<br><br>Describe and quantify the jobs retained or created, the county where the jobs will be located, and the earning capacity of the jobs.<br><br>Identify the Enterprise Zone and describe how the project stimulates development and job creation in California's economically distressed areas.<br><br>Describe how the benefits will be shared, including, but not limited to, market inclusivity, educational and public involvement. | **Provide economic benefits to California** |
| **Criterion 4:**<br>Preference will be given to projects in which the percentage of match funds is proportional to the amount of private vs. public benefits resulting from the project. The ratio of the Energy Commission request to the federal request will be evaluated.<br><br>Preference will be given to applicants that demonstrate the ability and capacity to successfully implement and complete the project proposed for program funding.<br><br>Preference will be given to applicants that demonstrate the cost-effectiveness of the proposed project in achieving greenhouse gas emissions reduction. | 8 | Describe and quantify the source of match funds, including in-kind, and match percentage of the total project cost. Describe the project's plan to provide the cost share dollars for ARRA, if your project is not successful under this solicitation.<br><br>Describe the approach for accomplishing the project goals and relevant team experience.<br><br>Describe and quantify the cost-effectiveness of the project on a greenhouse gas emission reduction basis. | **Maximize program impact through best practices management and efficient use of resources.** |

| Sustainability Evaluation Criteria Derived from Section 3101.5 of Program Regulations | | | |
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| **Criteria** | **Maximum Points** | **Information Requirement (As Applicable)** | **Sustainability Goals** |
| ***Criterion 5 applies to all physical projects, but does not apply to workforce training and development.*** | | | |
| **Criterion 5:**<br>Strong preference will be given to projects with lowest greenhouse gas emissions from the petroleum baseline. The project includes all elements proposed for ARRA funding. | 25 | GREET 1.8(b) value, or approved Energy Commission alternative method. Default carbon intensity values from the petroleum baseline will be used if applicants do not provide project specific information. | **Sustainability Goal No. 1: Substantial Reduction of Greenhouse Gas Emissions** |
| ***Criteria 6 through 14 apply to all biomass-related fuel production, distribution and sales projects, including infrastructure, biorefineries and feedstocks, for biofuels and renewable hydrogen.*** | | | |
| **Criterion 6:**<br>Strong preference to projects demonstrating environmental protection, natural resource preservation and superior environmental performance. | 2 | General description of how project achieves these criteria. Examples include but are not limited to: natural resources inputs and impacts, water, energy, or chemical inputs, energy balance, and waste streams including air emissions and waste water discharge. | **Sustainability Goal No. 2: Protect the environment and natural resources and promote superior environmental performance** |
| **Criterion 7:**<br>Strong preference for projects that maximize use of waste streams as feedstocks. | 5 | Description of proportion of waste streams used in feedstock, type, and volume. | |
| **Criterion 8:**<br>Use of existing Best Management Practices from natural resource and pollution control agencies. | 1 | Type of Best Management Practices used in project. | |
| **Criterion 9:**<br>For purpose-grown energy crops:<br>• Sustainability Best Management Practices plan for specific bio-energy crops.<br>• Use of lands historically used for agricultural purposes.<br>• Use of marginal crop lands not used for food and that do not displace food crops.<br>• Use of crops uniquely suited to climate, water and natural resource constraints in California. | 3 | Brief Description of plan.<br>Brief description of lands used for project-related bioenergy crops.<br>Brief description of soil type and recent planting history (5 yrs).<br>Brief description of bioenergy crop's water and soil requirements. | |

| Sustainability Evaluation Criteria Derived from Section 3101.5 of Program Regulations | | | |
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| **Criteria** | **Maximum Points** | **Information Requirement (As Applicable)** | **Goals** |
| **Criterion 10:**<br>Preference for projects that: 1) use water efficiency and water use reduction measures, 2) use recycled or reclaimed water, and 3) reduce/ eliminate point and nonpoint source wastewater discharge. | 3 | Brief description of efficiency measures used in proposed project, source water for biorefineries or feedstock production, and quantified estimate of water use efficiency gains and reduction in wastewater discharges. | |
| **Criterion 11:**<br>Projects that use: 1) renewable energy, or 2) cogeneration in production, processing or distribution. | 2 | Brief quantified description of relative proportion of renewable or cogeneration power used in total project energy requirements. Brief quantified description of RPS-eligible sales to utilities. | |
| **Criterion 12:**<br>Forest biomass resources collected or harvested in a manner that does not diminish ecological values and that is consistent with restoration, fire risk management and ecosystem management goals. | 2 | Brief description of protocols used during harvesting. | **Sustainability Goal No. 2: Protect the environment and natural resources and promote superior environmental performance** |
| **Criterion 13:**<br>Projects that create benefits to state natural resources or ameliorate degraded resources. | 1 | Brief description of benefits. | |
| **Criterion 14:**<br>Alternative fuel infrastructure projects that use: 1) low carbon intensity fuels, 2) fuels produced in accordance with natural resource and superior environmental performance goals, 3) fuels produced in accordance with a certified sustainability protocol, or 4) uses existing or proposed infrastructure. | 2 | 1) Carbon intensity value derived using California-modified GREET version 1.8(b).<br>2) Description of how fuel production meets Sustainability Goal No. 2.<br>3) Sustainability certification used in project. | |
| **Criterion 15:**<br>Strong preference to projects that: 1) produce sustainable feedstocks, or 2) produce or distribute alternative fuels, in accordance sustainability certification standard. | 4 | Name of Sustainability Certification Program. | **Sustainability Goal No. 3: Enhance public / market acceptance of sustainably-produced fuel by developing, promoting and creating incentives for the production of such fuels in accordance with certified, sustainable production practices and standards** |